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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/638,647A

DATE: 01/30/2001

TIME: 10:52:04

Input Set : A:\621761.app

Output Set: N:\CRF3\01302001\I638647A.raw

3 <110> APPLICANT: Stern, David
4 Yan, Shi Du
6 <120> TITLE OF INVENTION: A MODEL OF ALZHEIMER'S-TYPE PATHOLOGY DOUBLE TRANSGENIC
7 MICE: ABAD AND APP (MUTANT)
9 <130> FILE REFERENCE: 0575/62176
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/638,647A
12 <141> CURRENT FILING DATE: 2000-08-14
14 <160> NUMBER OF SEQ ID NOS: 7
16 <170> SOFTWARE: PatentIn Ver. 2.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 261
20 <212> TYPE: PRT
21 <213> ORGANISM: RAT
23 <400> SEQUENCE: 1
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25 1 5 10 15
27 Gly Gly Ala Ser Gly Leu Gly Leu Ser Thr Ala Lys Arg Leu Val Gly
28 20 25 30
30 Gln Gly Ala Thr Ala Val Leu Leu Asp Val Pro Asn Ser Gly Glu
31 35 40 45
33 Thr Glu Ala Lys Lys Leu Gly Gly Asn Cys Ile Phe Ala Pro Ala Asn
34 50 55 60
36 Val Thr Ser Glu Lys Glu Val Gln Ala Ala Leu Thr Leu Ala Lys Glu
37 65 70 75 80
39 Lys Phe Gly Arg Ile Asp Val Ala Val Asn Cys Ala Gly Ile Ala Val
40 85 90 95
42 Ala Ile Lys Thr Tyr His Glu Lys Lys Asn Gln Val His Thr Leu Glu
43 100 105 110
45 Asp Phe Gln Arg Val Ile Asn Val Asn Leu Ile Gly Thr Phe Asn Val
46 115 120 125
48 Ile Arg Leu Val Ala Gly Val Met Gly Gln Asn Glu Pro Asp Gln Gly
49 130 135 140
51 Gly Gln Arg Gly Val Ile Ile Asn Thr Ala Ser Val Ala Ala Phe Glu
52 145 150 155 160
54 Gly Gln Val Gly Gln Ala Ala Tyr Ser Ala Ser Lys Gly Gly Ile Val
55 165 170 175
57 Gly Met Thr Leu Pro Ile Ala Arg Asp Ile Ala Pro Ile Gly Ile Arg
58 180 185 190
60 Val Val Thr Ile Ala Pro Gly Leu Phe Ala Thr Pro Leu Leu Thr Thr
61 195 200 205
63 Leu Pro Asp Lys Val Arg Asn Phe Leu Ala Ser Gln Val Pro Phe Pro
64 210 215 220
66 Ser Arg Leu Gly Asp Pro Ala Glu Tyr Ala His Leu Val Gln Met Val
67 225 230 235 240
69 Ile Glu Asn Pro Phe Leu Asn Gly Glu Val Ile Arg Leu Asp Gly Ala
70 245 250 255
72 Ile Arg Met Gln Pro

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73 260
 76 <210> SEQ ID NO: 2
 77 <211> LENGTH: 261
 78 <212> TYPE: PRT
 79 <213> ORGANISM: Human
 81 <400> SEQUENCE: 2
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 83 1 5 10 15
 85 Gly Gly Ala Ser Gly Leu Gly Leu Ala Thr Ala Glu Arg Leu Val Gly
 86 20 25 30
 88 Gln Gly Ala Ser Ala Val Leu Leu Asp Leu Pro Asn Ser Gly Gly Glu
 89 35 40 45
 91 Ala Gln Ala Lys Lys Leu Gly Asn Asn Cys Val Phe Ala Pro Ala Asp
 92 50 55 60
 94 Val Thr Ser Glu Lys Asp Val Gln Thr Ala Leu Ala Leu Ala Lys Gly
 95 65 70 75 80
 97 Lys Phe Gly Arg Val Asp Val Ala Val Asn Cys Ala Gly Ile Ala Val
 98 85 90 95
 100 Ala Ser Lys Thr Tyr Asn Leu Lys Gly Gln Thr His Thr Leu Glu
 101 100 105 110
 103 Asp Phe Gln Arg Val Leu Asp Val Asn Leu Met Gly Thr Phe Asn Val
 104 115 120 125
 106 Ile Arg Leu Val Ala Gly Glu Met Gly Gln Asn Glu Pro Asp Gln Gly
 107 130 135 140
 109 Gly Gln Arg Gly Val Ile Ile Asn Thr Ala Ser Val Ala Ala Phe Glu
 110 145 150 155 160
 112 Gly Gln Val Gly Gln Ala Ala Tyr Ser Ala Ser Lys Gly Gly Ile Val
 113 165 170 175
 115 Gly Met Thr Leu Pro Ile Ala Arg Asp Leu Ala Pro Ile Gly Ile Arg
 116 180 185 190
 118 Val Met Thr Ile Ala Pro Gly Leu Phe Gly Thr Pro Leu Leu Thr Ser
 119 195 200 205
 121 Leu Pro Glu Lys Val Cys Asn Phe Leu Ala Ser Gln Val Pro Phe Pro
 122 210 215 220
 124 Ser Arg Leu Gly Asp Pro Ala Glu Tyr Ala His Leu Val Gln Ala Ile
 125 225 230 235 240
 127 Ile Glu Asn Pro Phe Leu Asn Gly Glu Val Ile Arg Leu Asp Gly Ala
 128 245 250 255
 130 Ile Arg Met Gln Pro
 131 260
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 135 <211> LENGTH: 973
 136 <212> TYPE: DNA
 137 <213> ORGANISM: Human
 139 <400> SEQUENCE: 3
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 141 gcggtataaa ccggaggagc ctcgggctg ggcctggcca cggccggagcg acttgtgggg 120
 142 caggggagcct ctgcgtgtct tctggacctg cccaaactcgg gtggggaggc ccaagccaaag 180
 143 aagtttagaa acaactgcgt ttccggccca gcccacgtga cctctgagaa gyatgtgcaa 240

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Input Set : A:\621761.app
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144 acagctctgg ctctagcaa aggaaagtgg ggcgtgtgg atgttagctgt caactgtgca 300
 145 ggcacatcgccg tggcttagcaa gacgtacaac ttaagaagg gccagaccca tacctlggaa 360
 146 qacttccacg gagttcttga tgtgaatctc atqggcacct tcaatgtgat ccgccttgg 420
 147 qctggtgaga tggggccagaa tgaacccagac caqggagggcc aacgtggggcatcatcaac 480
 148 actgcccagtg tggctgcctt cgagggtcag gttggacaag ctgcataactc tgcttcaag 540
 149 gggggaaatag tgggcatgac actgcccattt gtcgggatc tggttccat aggtatccgg 600
 150 gtgtatgacca ttgcctccagg tctgtttggc accccactgc tgaccacccct cccagagaaa 660
 151 gtgtgcaact tcttggccag ccaagtgcctt ttccttagcc gactgggtga ccctgtctgag 720
 152 tatgttcacc tcgtacaggc catcatcgag aaccattcc tcaatggaga ggtcatccgg 780
 153 ctggatgggg ccattegtat gcagccatgaa agggagauagg cagagaaaac acacgtctt 840
 154 ctgccttcc tttccctggg gtactactct ccagtcttgg gaggaagccc agtagccatt 900
 155 ttgttaactgc ctaccatgtg cctctgtgc ctaataaaagt ctcttttct cacagaaaaa 960
 156 aaaaaaaaaaaa aaa 973
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 160 <211> LENGTH: 20
 161 <212> TYPE: DNA
 162 <213> ORGANISM: Artificial Sequence
 164 <220> FEATURE:
 165 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Primers
 167 <400> SEQUENCE: 4
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 171 <210> SEQ ID NO: 5
 172 <211> LENGTH: 19
 173 <212> TYPE: DNA
 174 <213> ORGANISM: Artificial Sequence
 176 <220> FEATURE:
 177 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Primers
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 180 agggccggccgg aacgtgtgt 19
 183 <210> SEQ ID NO: 6
 184 <211> LENGTH: 30
 185 <212> TYPE: DNA
 186 <213> ORGANISM: Artificial Sequence
 188 <220> FEATURE:
 189 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Primers
 191 <400> SEQUENCE: 6
 192 gacaagtatac tcgagacacc tggggatgag 30
 195 <210> SEQ ID NO: 7
 196 <211> LENGTH: 29
 197 <212> TYPE: DNA
 198 <213> ORGANISM: Artificial Sequence
 200 <220> FEATURE:
 201 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 202 PCR Primer
 204 <400> SEQUENCE: 7
 205 aaagaacttg taggttggat ttctgtacc 29

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/638,647A DATE: 01/30/2001
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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number